

Application Serial No. 09/647,279

Attorney Docket No. 114474-13-FESI00001

Amendment and Response to Office Action, Dated December 9, 2005

AMENDMENTS TO THE CLAIMS

Kindly replace the claims as follows.

1. (currently amended) A plastic syringe barrel, comprising:

a nozzle portion in which an outer cylinder and an inner cylinder are formed, and

a luer lock portion formed in the nozzle portion and between an inner peripheral surface of the outer cylinder and an outer peripheral surface of the inner cylinder,

~~wherein the outer cylinder is made of cyclic polyolefin resin, a helically continuous screw thread is formed on the inner peripheral surface of the outer cylinder contains a helically continuous screw thread, and~~

the inner peripheral surface of the outer cylinder has a roughened surface.

~~the surface of the screw thread and/or of a screw root portion formed between adjacent ridges of the screw thread have/has a sandblasted surface.~~

2-5. (canceled)

6. (previously withdrawn) A method for improving a plastic syringe barrel,

comprising the steps of:

forming in which an outer cylinder and an inner cylinder ~~are formed~~ in a nozzle portion with ~~and in which~~ a luer lock portion ~~composed of a cylindrical space is formed~~ between an inner peripheral surface of the outer cylinder and an outer peripheral surface of the inner cylinder,

~~wherein the connection strength of said luer lock portion is enhanced by forming~~ all or part of an inner surface of said luer lock portion into a surface subjected to surface roughening treatment.

7-10. (canceled)

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11. (new) The plastic syringe barrel of claim 1, wherein the surface of the screw thread and/or of a screw root portion formed between adjacent ridges of the screw thread have/has a roughened surface.

12. (new) The plastic syringe barrel of claim 1, wherein the roughened surface is a sandblasted surface.

13. (new) The plastic syringe barrel of claim 1, wherein the outer cylinder is made of cyclic polyolefin resin.

14. (new) The plastic syringe barrel of claim 1, wherein the barrel is formed as a unitary structure.

15. (new) A method for providing the plastic syringe barrel of claim 1, comprising the steps of:

forming an outer cylinder and an inner cylinder in a nozzle portion of the syringe barrel, with a luer lock portion between an inner peripheral surface of the outer cylinder and an outer peripheral surface of the inner cylinder;

forming a helically continuous screw thread on the inner peripheral surface of the outer cylinder; and

subjecting the inner peripheral surface of the outer cylinder to a surface roughening treatment.

16. (new) The method of claim 15, wherein the surface roughening treatment is a blast treatment.

17. (new) The method of claim 15, further comprising the step of:
subjecting the screw thread and/or a screw root portion formed between adjacent ridges of the screw thread to a surface roughening treatment.

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18. (new) The method of claim 6, wherein the surface roughening treatment is sandblasting.

19. (new) The method of claim 6, wherein the outer cylinder is made of cyclic polyolefin resin.

20. (new) The method of claim 6, wherein the barrel is formed as a unitary structure.